



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 10/764,808 | 01/26/2004 | Alan G. Yates | GLT-001 | 9763 |
| 3897 | 7590 | 01/24/2006 | EXAMINER | |
| SCHNECK & SCHNECK P.O. BOX 2-E SAN JOSE, CA 95109-0005 | | | LE, THANH TAM T | |
| | | ART UNIT | PAPER NUMBER | |
| | | | 2839 | |

DATE MAILED: 01/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|-----------------------------|---------------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/764,808 | YATES ET AL. | |
| | Examiner Thanh-Tam T. Le | Art Unit 2839 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 06 January 2006.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-15 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Specification

1. Page 6, lines 12 and 14, "45" should be changed -- 43 --; and
Page 9, line 8, "Fig. 11a" is not shown in the drawings.

Claim Objections

2. Claims 1-15 are objected to because claim 1, lines 6-8 and lines 13-15, and
claim 9, lines 6-8 and lines 13-14, "a lid having a top face, a first and a second side" and
"a first and a second cam lever respectively linked to the first and second side of the lid"
are not described in the specification.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that
form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public
use or on sale in this country, more than one year prior to the date of application for patent in the United
States.

4. Claims 1, 4 and 7-8 are rejected under 35 U.S.C. 102(b) as being anticipated by
Twigg et al. (5,647,756).

Twigg et al., figures 2-4 show a device for testing integrated circuits comprising:

- a base (12);
- a socket body (14) held in the base for contacting a plurality of terminals from
an integrated circuit (not shown);

Art Unit: 2839

- a lid (50) having a top face (not labeled), a first side and a second side (not labeled), the first and the second sides opposite each other across the top face;
- a hinge (not labeled) joining the lid to the base;
- a locking mechanism (52) allowing locking of the lid to the base;
- a pressure plate (54) retained within the lid; and
- a first and a second cam lever (62) respectively mechanically linked to the first and the second sides of the lid for lowering the pressure plate from the lid to the socket when the integrated circuit is placed within the socket.

Regarding claim 4, the first and second cam levers transform a rotational movement of the two cam levers to a vertical movement of the pressure plate by the use of a cam means.

Regarding claim 7, figure 3, the pressure plate may include an open central area (not labeled) through which the integrated circuit may be viewed.

Regarding claim 8, figure 4, the socket body including pogo pins (32).

5. Claims 1, 3 and 5-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Steketee (5,831,160).

Steketee, figures 1-4 show a device for testing integrated circuits comprising:

- a base (12);
- a socket body held in the base for contacting a plurality of terminals from an integrated circuit (11, figure 4);

- a lid (13) having a top face (not labeled), a first side and a second side (not labeled), the first and the second sides opposite each other across the top face (figure 1);
- a hinge (17) joining the lid to the base;
- a locking mechanism allowing locking of the lid to the base;
- a pressure plate (22, figure 2) retained within the lid; and
- a first and a second cam lever (first and second arms of 20) respectively mechanically linked to the first and the second sides of the lid for lowering the pressure plate from the lid to the socket when the integrated circuit is placed within the socket (column 3, lines 31-33).

Regarding claim 3, the first and second cam levers including first and second cam ratcheting levers with the cam ratcheting levers each having ratchet like notches (20A, figure 1), with each of the cam ratcheting levers having elongate arms (not labeled), the arms joined by a linking bar (20).

Regarding claim 5, a lock (38, figure 1) disposed to movably engage the cam levers, the lock preventing the cam levers from moving when the lock is engaged against the cam lever.

Regarding claim 6, the lock is a spring biased (40, column 4, lines 27-30).

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 2, 9 and 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Twigg et al. (5,647,756) in view of Yoshizaki (4,717,346).

Regarding claims 2 and 9, Twigg et al. disclose the claimed invention as described above except for a sight groove on the base.

Yoshizaki, figures 2 and 4, discloses an IC socket (20) having a body (1) with a plurality of grooves (not labeled). It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide Twigg et al. to have the grooves, as taught by Yoshizaki, in order to control and adjust the test socket.

Regarding claim 14, figure 3, Twigg et al. disclose the pressure plate may including an open central area (not labeled) through which the integrated circuit may be viewed.

Regarding claim 15, Twigg et al. disclose the socket body including pogo pins (32).

8. Claims 9 and 12-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Steketee (5,831,160) in view of Yoshizaki (4,717,346).

Regarding claim 9, Twigg et al. disclose the claimed invention as described above except for a sight groove on the base.

Yoshizaki, figures 2 and 4, discloses an IC socket (20) having a body (1) with a plurality of grooves (not labeled). It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide Steketee to have the grooves, as taught by Yoshizaki, in order to control and adjust the test socket.

Regarding claim 12, Steketee discloses a lock (38, figure 1) disposed to movably engage the cam levers, the lock preventing the cam levers from moving when the lock is engaged against the cam lever.

Regarding claim 13, Steketee discloses the lock is a spring biased (40, column 4, lines 27-30).

Response to Arguments

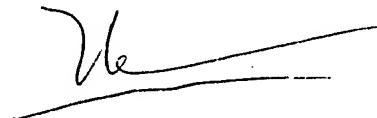
9. Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh-Tam T. Le whose telephone number is 571-272-2094. The examiner can normally be reached on 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TC Patel can be reached on 571-272-2098. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Thanh-Tam T. Le
Primary Examiner
Art Unit 2839

TL.
01/20/06.